

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in this application.

Listing of Claims:

1. (withdrawn)
2. (withdrawn)
3. (withdrawn)
4. (withdrawn)
5. (withdrawn)
6. (withdrawn)
7. (withdrawn)
8. (withdrawn)
9. (withdrawn)
10. (withdrawn)
11. (currently amended and previously presented) A mandrel for use in fabricating a three dimensional electroformed structure comprising:
 - a substrate base;
 - a sacrificial controlled-release layer applied to at least one surface of the substrate base; and
 - a conductive metal layer applied to the conductive-release sacrificial controlled-release layer wherein the conductive metal layer provides a surface upon which to electroform an orifice plate forming the three dimensional electroformed structure, the substrate base provides rigidity to the mandrel, and the sacrificial controlled-release layer provides sufficient adhesion to the substrate base to prevent the electroformed structure from delaminating from the substrate base during the electroforming processes and further provide a means to remove

the electroformed structure from the substrate base without damage to either the electroformed structure or the substrate base, wherein the sacrificial controlled-release layer is an organic chemical that is removed by chemically dissolving the controlled-release layer, and wherein the electroformed structure is for use in an ink jet printhead.

12. (original) A mandrel as claimed in claim 11 wherein the substrate base comprises a metal substrate not attacked by chemicals used in electroforming processes.

13. (original) A mandrel as claimed in claim 11 wherein the substrate base comprises a chrome coated glass substrate.

14. (cancelled)

15. (cancelled)

16. (cancelled)

17. (currently amended and previously presented) A mandrel ~~as claimed in claim 11~~ for use in fabricating a three dimensional electroformed structure comprising:

a substrate base;

a sacrificial controlled-release layer applied to at least one surface of the substrate base; and

a conductive metal layer applied to the conductive-release sacrificial controlled-release layer wherein the conductive metal layer provides a surface upon which to electroform an orifice plate forming the three dimensional electroformed structure, the substrate base provides rigidity to the mandrel, and the sacrificial controlled-release layer provides sufficient adhesion to the substrate base to prevent the electroformed structure from delaminating from the substrate base during the electroforming processes and further provide a means to remove the electroformed structure from the substrate base without damage to either the electroformed structure or the substrate base, wherein the sacrificial controlled-release layer comprises is a brittle controlled-release layer that is removed from

the substrate base by fracturing the brittle controlled-release layer, and wherein the electroformed structure is for use in an ink jet printhead.

- 18. (cancelled)
- 19. (withdrawn)
- 20. (withdrawn)
- 21. (withdrawn)

Applicant believes no new matter has been added with these amendments.